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(54) Process for the production of a porous film having high bursting strength.

(57) Process for the production of a film having improved bursting strength by applying a recessed line pattern to a porous film produced from a solution of polyethylene and from which the solvent has been removed, at a temperature below the melting point of the polyethylene, and subsequently stretching the film biaxially with a degree of stretching of at least 2 x in each of the two directions, the surface area of the film increasing by at least a factor 8, and a porous film having high bursting strength.

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EUROPEAN SEARCH REPORT

Application Number

EP 92 20 4112

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. CL.5)
D, A	EP-A-0 283 200 (EXXON) * page 2, line 31 - line 37 * -----	1-9, 13	B 29 C 55/00 B 29 D 7/01 B 29 C 59/02 B 01 D 69/02 // B 29 K 23/00
			TECHNICAL FIELDS SEARCHED (Int. CL.5)
			B 29 C B 29 D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 29-03-1993	Examiner ATTALLA G
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document			



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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid.
- namely claims: -
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions.

namely:

See sheet -B-

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid.
- namely claims:
- ☒ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims.

namely claims: 1-9, 13



LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims 1-9, 13

Process for the production of a porous polyethylene film having a pattern of recessed lines on its surface.

2. Claims 10-12

Porous film having defined water vapour permeability and bursting strength.

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